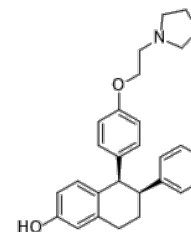


**Product Name** : Lasofoxifene  
**Cat. No.** : PC-24543  
**CAS No.** : 180916-16-9  
**Molecular Formula** : C<sub>28</sub>H<sub>31</sub>NO<sub>2</sub>  
**Molecular Weight** : 413.56  
**Target** : Estrogen Receptor/ERR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Lasofoxifene (CP-336156, CP-336,156) is a potent, orally active, nonsteroidal selective estrogen receptor modulator (SERM), binds selectively and with high affinity to the human ER $\alpha$  with IC<sub>50</sub> of 1.5 nM.

Lasofoxifene (CP-336156, CP-336,156) is potent and efficacious as estrogen at preventing bone loss and lowering total serum cholesterol in rats, shows no estrogen-like proliferative effects on breast and uterine tissue.

Lasofoxifene (CP-336156, CP-336,156) induced apoptosis and p53 expression with a concomitant decrease in the number of tartrate-resistant acid phosphatase-positive multinuclear cells in rat bone marrow cell cultures in vitro.

Lasofoxifene (CP-336156, CP-336,156) decreased total serum cholesterol and fat body mass and had no effect on lean body mass in female rats.

## References

Ke HZ, et al. Endocrinology. 2000 Apr;141(4):1338-44.

Rosati RL, et al. J Med Chem. 1998 Jul 30;41(16):2928-31.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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